

ABSTRACT OF THE DISCLOSURE

A tactile user interface device that allows a user to manipulate the graphical elements of a graphical user interface and provides tactile feedback to the user. The interface device comprises a substrate and a plurality of tactile elements. Each tactile element of the tactile user interface device comprises a means for sensing pressure from a user's finger to determine if the user has depressed the tactile element and a means for conveying tactile feedback information to the user. Tactile feedback information may be elevations, vibrations, textures, and temperatures.